

# Curriculum Vitae

## **Abu Sayeed Md. Hasibuzzaman**

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### Educational Background

Completed Bachelor of Science in Agriculture (2016) and Master of Science in Genetics and Plant Breeding (2018) from Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.

### Specialization

- Have expertise in plant breeding (trait development, germplasm characterization, and utilization, maintenance breeding), plant genetics (Mendelian genetics, quantitative genetics, and cytogenetics), and plant genomics (Molecular marker-based genomic selection).
- Operational knowledge in utilizing bioinformatics tools and software.

### Research Interest

Interested in grain quality (grain color, grain aroma, and antioxidative properties) improvement of rice through conventional and molecular techniques, and abiotic stress tolerance (drought and heat). Also interested in developing parent materials for constructing 2/3-line hybrid rice systems.

### Fellowships, Awards, and Honors

- Awarded Prime Minister Gold Medal 2017 by University Grant Commission, Agargaon, Dhaka, Bangladesh for outstanding academic performance.
- Awarded National Science and Technology Fellowship 2017-2018 by Ministry of Science and Technology, Government of the people's republic of Bangladesh for conducting MS in Genetics and Plant Breeding.
- Awarded Merit scholarship (12 times) by Dean (Agriculture), Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh for academic excellence.

### Publications

#### Full-Length Research Article

1. **Hasibuzzaman, A.S.M.**, Islam, A.K.M.A., Miah, M.G. *et al.* Phylogeographic diversity and population structure of *Carica papaya* L. revealed through nuclear microsatellites. *Braz. J. Bot* 43, 147–154 (2020). <https://doi.org/10.1007/s40415-020-00594-8>
2. Tareq, M. Z., Sarker, M. S. A., Sarker, M. D. H., Moniruzzaman, M., **Hasibuzzaman, A. S. M.**, & Islam, S. N. (2020). Waterlogging stress adversely affects growth and

development of Tomato. *Asian Journal of Crop*, 2(01), 44-50.  
<https://doi.org/10.18801/ajcsp.020120.07>

3. Rani, M. H., Begum, S. N., Khanom, M. S. R., Rahman, M. H. S., **Hasibuzzaman, A. S. M.**, Shugandha, J. N., Shammy, S. A., and Akram, M. W. (2021). Genotype-environment (G×E) interaction, stability and adaptability study on grain yield in advanced rice lines. *Bangladesh Journal of Nuclear Agriculture*, 35.
4. Islam, M. M., **Hasibuzzaman, A. S. M.**, Topu, M. A., Hasan, M. J., and Alim, S. M. A. (2021). Fruit diversity of ten mango (*Mangifera indica* L.) germplasm of Chapainawabganj district in Bangladesh. *Bangladesh Journal of Nuclear Agriculture*, 35.

### **Book Chapter**

1. Hasan M., **Hasibuzzaman A.S.M.**, Abdullah H.M., Kallol M.M.H. (2020) Genetic and Genomic Resources and Their Exploitation for Unlocking Genetic Potential from the Wild Relatives. In: Salgotra R., Zargar S. (eds) Rediscovery of Genetic and Genomic Resources for Future Food Security. Springer, Singapore. [https://doi.org/10.1007/978-981-15-0156-2\\_5](https://doi.org/10.1007/978-981-15-0156-2_5)
2. **Hasibuzzaman, A. S. M.**, Akter, F., Bagum, S. A., Hossain, N., Akter, T., & Uddin, M. S. (2021). Morpho-Physiological Mechanisms of Maize for Drought Tolerance. *Plant Stress Physiology*, 229. <https://doi.org/10.5772/intechopen.91197>
3. Hasan M., Abdullah H.M., **Hasibuzzaman A.S.M.**, Ali M.A. (2022) Date Palm Genetic Resources for Breeding. In: Priyadarshan P., Jain S.M. (eds) Cash Crops. Springer, Cham. [https://doi.org/10.1007/978-3-030-74926-2\\_12](https://doi.org/10.1007/978-3-030-74926-2_12)